ELSEVIER

Nuclear Engineering and Design 158 (1995) 441–443

Nuclear Engineering and Design

Author Index of Volume 158

Ahlstrand, R., see Keinänen, H. 158 (1995) 217
Andrieux, S. and F. Voldoire, Stress identification in steam generator tubes from profile measurements 158 (1995) 417

Bagchi, A. and V. Paramasivam, Static and stability analysis of the inner vessel of a fast breeder reactor 158 (1995) 81
Bains, R.S. and J. Sugimoto, 3-D thermoelastic analysis of the straight section of a PWR hot leg containing a hot spot using BEM 158 (1995) 47
Bhandari, S., see Setz, W. 158 (1995) 203
Bhoje, S.B. and P. Chellapandi, Operating temperatures for an FBR 158 (1995) 61
Blind, D., see Schuler, X. 158 (1995) 227
Blumin, A., see Keinänen, H. 158 (1995) 217
Bo, J.H., see Jiang, S.Y. 158 (1995) 111
Brauer, G., M.J. Puska, M. Sob and T. Korhonen, Positron affinity for precipitates in reactor pressure vessel steels 158 (1995) 149
Brosi, S., M. Niffenegger, R. Rösel, E. Kobes and D. Schrammel, Precracked pipe under waterhammer action 158 (1995) 177
Busso, E.P., see Linkens, D. 158 (1995) 377

Chang, Y.S., see Kim, Y.J. 158 (1995) 241
Chellapandi, P., see Bhoje, S.B. 158 (1995) 61
Cordes, R.D., see Joseph, P.F. 158 (1995) 263
Crutzen, S., see Reale, S. 158 (1995) 397

Davis, D.C., see Kim, G. 158 (1995) 1
Dean, D.W., see Linkens, D. 158 (1995) 377
Debaene, J.-P., see Setz, W. 158 (1995) 203
Debruyne, G., An arbitrary Lagrangian description of 2D and 3D cracked structures 158 (1995) 285
Deschanels, H. and A. Turbat, Fracture mechanics in creep situation Interpretation of results on a test specimen 158 (1995) 387
Diegele, E., R. Jakeman, A. Klischenko, R. Matera, M. Merola, D. Munz and S. Suzuki, Structural analysis of a first wall component: results of benchmark calculations 158 (1995) 95
Duffey, T.A., see Farrar, C.R. 158 (1995) 31

Eisele, U., see Schuler, X. 158 (1995) 227
Eisele, U., see Stumpfrock, L. 158 (1995) 277
Erdogan, F., see Joseph, P.F. 158 (1995) 263

Faidy, C., see Setz, W. 158 (1995) 203
Farrar, C.R., T.A. Duffey and D.H. Renick, Simplified method for evaluating the seismic buckling capacity of unstiffened steel containment structures 158 (1995) 31
Förster, K., see Setz, W. 158 (1995) 203

Gross, D., see Zhang, C. 158 (1995) 319

Herter, K.-H., see Schuler, X. 158 (1995) 227
Hurst, R.C. and S. McAllister, Crack growth determination on laboratory components 158 (1995) 253

Jakeman, R., see Diegele, E. 158 (1995) 95
Jeong, U.Y., see Koh, H.M. 158 (1995) 295
Jiang, S.Y., M.S. Yao, J.H. Bo and S.R. Wu, Experimental simulation study on start-up of the 5 MW nuclear heating reactor 158 (1995) 111
Joseph, P.F., R.D. Cordes and F. Erdogan, Surface cracks in toroidal shells 158 (1995) 263
Julisch, P., D. Sturm and J. Wiedemann, Exclusion of rupture for welded piping systems of power stations by component tests and failure approaches 158 (1995) 191

Kang, H.G. and P.H. Seong, A real-time monitoring system of core support barrel vibration using FEM data and self-organizing neural networks 158 (1995) 19

Karzov, G., see Keinänen, H. 158 (1995) 217
Keinänen, H., H. Talja, R. Rintamaa, K. Törrönen, R. Ahlstrand, P. Nurkkala, G. Karzov, B. Timofeev and A. Blumin, Crack initiation and arrest in a pressurized thermal shock test for a model pressure vessel made of $
Kim, G. and D.C. Davis, Hydrodynamic instabilities in flat-plate-type fuel assemblies 158 (1995) 1
Kim, J.O., see Kim, Y.J. 158 (1995) 241
Kim, Y.J., C.S. Seok, Y.S. Chang, J.O. Kim, K.M. Yang and I.S. Ra, Fracture properties evaluation of carbon steel piping for main steam line 158 (1995) 241
Klischenko, A., see Diegele, E. 158 (1995) 95
Kobes, E., see Brosi, S. 158 (1995) 177
Koh, H.M., H.S. Lee and U.Y. Jeong, An incremental formulation of the moving-grid finite element method for the prediction of dynamic crack propagation 158 (1995) 295
Korhonen, T., see Brauer, G. 158 (1995) 149
Kraemer, D., see Stumpfrock, L. 158 (1995) 277

Lee, H.S., see Koh, H.M. 158 (1995) 295
Linkens, D., E.P. Busso and D.W. Dean, Predictions of non-steady asymptotic crack tip fields in power law creeping materials 158 (1995) 377
Liu, X., see Sievers, J. 158 (1995) 429
Luong, M.P., Infrared thermographic scanning of fatigue in metals 158 (1995) 363

Matera, R., see Diegele, E. 158 (1995) 95
McAllister, S., see Hurst, R.C. 158 (1995) 253
Merola, M., see Diegele, E. 158 (1995) 95
Merola, M., Normative issues in thermal fatigue design of nuclear components 158 (1995) 351
Moussavi Zadeh, G., Analysis of stable crack growth of a semi-elliptical surface crack by numerical simulation 158 (1995) 311
Munz, D., see Diegele, E. 158 (1995) 95

Niffenegger, M., see Brosi, S. 158 (1995) 177
Nurkkala, P., see Keinänen, H. 158 (1995) 217

Paramasivam, V., see Bagchi, A. 158 (1995) 81
Puska, M.J., see Brauer, G. 158 (1995) 149

Ra, I.S., see Kim, Y.J. 158 (1995) 241
Reale, S., L. Tognarelli and S. Crutzen, The use of fracture mechanics methodologies for NDT results evaluation and comparison 158 (1995) 397
Renick, D.H., see Farrar, C.R. 158 (1995) 31
Rintamaa, R., see Keinänen, H. 158 (1995) 217
Rösel, R., see Brosi, S. 158 (1995) 177

Schrammel, D., see Brosi, S. 158 (1995) 177
Schuler, X., D. Blind, U. Eisele and K.-H. Herter, Extension of fracture mechanics evaluation methods by consideration of multiaxiality of stress state for piping components 158 (1995) 227
Seok, C.S., see Kim, Y.J. 158 (1995) 241
Seong, P.H., see Kang, H.G. 158 (1995) 19
Setz, W., K. Förster, S. Bhandari, J.-P. Debaene and C. Faidy, Tests on large scale LMFR piping Part I: crack resistance properties of through-cracked straight 700 mm nominal diameter pipes tested under bending at ambient temperature and 550 °C 158 (1995) 203
Shum, D.K.M., Effects of clad yielding and warm prestress on fracture-margin assessment of pressurized water reactor pressure vessels 158 (1995) 167
Sievers, J. and X. Liu, Fracture mechanics analyses including constraint investigations on reactor pressure vessels under pressurized thermal shock loading 158 (1995) 429
Sob, M., see Brauer, G. 158 (1995) 149
Staat, M., Reliability of an HTR-module primary circuit pressure boundary Influences, sensitivity, and comparison with a PWR 158 (1995) 333
Stumpfrock, L., D. Kraemer and U. Eisele, Fracture mechanics analysis for inhomogeneous material behaviour 158 (1995) 277
Sturm, D., see Julisch, P. 158 (1995) 191
Sugimoto, J., see Bains, R.S. 158 (1995) 47
Suzuki, S., see Diegele, E. 158 (1995) 95
Syau, J.-J., see Wu, W.-F. 158 (1995) 409

Talja, H., see Keinänen, H. 158 (1995) 217
Timofeev, B., see Keinänen, H. 158 (1995) 217
Tognarelli, L., see Reale, S. 158 (1995) 397
Törrönen, K., see Keinänen, H. 158 (1995) 217
Turbat, A., see Deschanels, H. 158 (1995) 387

Voldoire, F., see Andrieux, S. 158 (1995) 417

Wakabayashi, H., Response of the ISER for a beyond-design-basis hypothetical accident 158 (1995) 135
Weisman, J., A phenomenological explanation of the relationship between steady state and transient CHF at subcooled or low quality conditions 158 (1995) 157
Wiedemann, J., see Julisch, P. 158 (1995) 191
Wu, S.R., see Jiang, S.Y. 158 (1995) 111
Wu, W.-F. and J.-J. Syau, A study of risk-based non-destructive in-service inspection 158 (1995) 409

Wu, X., On the transport mechanisms in simulated heterogeneous rod bundle sub-channels 158 (1995) 125

Yagawa, G., see Yoshimura, S. 158 (1995) 341
Yang, K.M., see Kim, Y.J. 158 (1995) 241
Yao, M.S., see Jiang, S.Y. 158 (1995) 111
Yoshimura, S., M.-Y. Zhang and G. Yagawa, Life extension simulation of aged reactor pressure vessel material using probabilistic fracture mechanics analysis on a massively parallel computer 158 (1995) 341

Zhang, C. and D. Gross, A cohesive plastic/damage-zone model for ductile crack analysis 158 (1995) 319
Zhang, M.-Y., see Yoshimura, S. 158 (1995) 341

ELSEVIER

Nuclear Engineering and Design 158 (1995) 445–446

Nuclear Engineering and Design

Subject Index of Volume 158

Thermal and fluid design

Operating temperatures for an FBR, S.B. Bhoje and P. Chellapandi 158 (1995) 61

Engineering mechanics

Hydrodynamic instabilities in flat-plate-type fuel assemblies, G. Kim and D.C. Davis 158 (1995) 1

A real-time monitoring system of core support barrel vibration using FEM data and self-organizing neural networks, H.G. Kang and P.H. Seong 158 (1995) 19

Simplified method for evaluating the seismic buckling capacity of unstiffened steel containment structures, C.R. Farrar, T.A. Duffey and D.H. Renick 158 (1995) 31

Static and stability analysis of the inner vessel of a fast breeder reactor, A. Bagchi and V. Paramasivam 158 (1995) 81

Materials properties

Simplified method for evaluating the seismic buckling capacity of unstiffened steel containment structures, C.R. Farrar, T.A. Duffey and D.H. Renick 158 (1995) 31

3-D thermoelastic analysis of the straight section of a PWR hot leg containing a hot spot using BEM, R.S. Bains and J. Sugimoto 158 (1995) 47

Effects of clad yielding and warm prestress on fracture-margin assessment of pressurized water reactor pressure vessels, D.K.M. Shum 158 (1995) 167

Crack initiation and arrest in a pressurized thermal shock test for a model pressure vessel made of VVER-440 reactor pressure vessel steel, H. Keinänen, H. Talja, R. Rintamaa, K. Törrönen, R. Ahlstrand, P. Nurkkala, G. Karzov, B. Timofeev and A. Blumin 158 (1995) 217

Fracture properties evaluation of carbon steel piping for main steam line, Y.J. Kim, C.S. Seok, Y.S. Chang, J.O. Kim, K.M. Yang and I.S. Ra 158 (1995) 241

Crack growth determination on laboratory components, R.C. Hurst and S. McAllister 158 (1995) 253

Fracture mechanics analysis for inhomogeneous material behaviour, L. Stumpfrock, D. Kraemer and U. Eisele 158 (1995) 277

A cohesive plastic/damage-zone for ductile crack analysis, Ch. Zhang, D. Gross 158 (1995) 319

The use of fracture mechanics methodologies for NDT results evaluation and comparison, S. Reale, L. Tognarelli and S. Crutzen 158 (1995) 397

Fracture mechanics analyses including constraint investigations on reactor pressure vessels under pressurized thermal shock loading, J. Sievers and X. Liu 158 (1995) 429

Mechanical design, component fabrication and testing

Operating temperatures for an FBR, S.B. Bhoje and P. Chellapandi 158 (1995) 61

Static and stability analysis of the inner vessel of a fast breeder reactor, A. Bagchi and V. Paramasivam 158 (1995) 81

Structural analysis of a first wall component: results of benchmark calculations, E. Diegele, R. Jakeman, A. Klischenko, R. Matera, M. Merola, D. Munz and S. Suzuki 158 (1995) 95

Effects of clad yielding and warm prestress on fracture-margin assessment of pressurized water reactor pressure vessels, D.K.M. Shum 158 (1995) 167

Precracked pipe under waterhammer action, S. Brosi, M. Niffenegger, R. Rösel, E. Kobes and D. Schrammel 158 (1995) 177

Exclusion of rupture for welded piping systems of power stations by component tests and failure approaches, P. Julisch, D. Sturm and J. Wiedmann 158 (1995) 191

Tests on large scale LMFR piping Part I: crack resistance properties of through-cracked straight 700 mm nominal diameter pipes tested under bending at ambient temperature and 550 °C, W. Setz, K. Förster, S. Bhandari, J.-P. Debaene and C. Faidy 158 (1995) 203
Crack initiation and arrest in a pressurized thermal shock test for a model pressure vessel made of VVER-440 reactor pressure vessel steel, H. Keinänen, H. Talja, R. Rintamaa, K. Törrönen, R. Ahlstrand, P. Nurkkala, G. Karzov, B. Timofeev and A. Blumin 158 (1995) 217
Extension of fracture mechanics evaluation methods by consideration of multiaxiality of stress state, X. Schuler, D. Blind, U. Eisele and K.-H. Herter 158 (1995) 227
Fracture properties evaluation of carbon steel piping for main steam line, Y.J. Kim, C.S. Seok, Y.S. Chang, J.O. Kim, K.M. Yang and I.S. Ra 158 (1995) 241
Crack growth determination on laboratory components, R.C. Hurst and S. McAllister 158 (1995) 253
Surface cracks in toroidal shells, P.F. Joseph, R.D. Cordes, F. Erdogan 158 (1995) 263
Fracture mechanics analysis for inhomogeneous material behaviour, L. Stumpfrock, D. Kraemer and U. Eisele 158 (1995) 277
An arbitrary Lagrangian description of 2D and 3D cracked structures, G. Debruyne 158 (1995) 285
An incremental formulation of the moving-grid finite element method for the prediction of dynamic crack propagation, H.M. Koh, H.S. Lee and U.Y. Jeong 158 (1995) 295
Analysis of stable crack growth of a semi-elliptical surface crack by numerical simulation, Gh. Moussavi Zadeh 158 (1995) 311
A cohesive plastic/damage-zone for ductile crack analysis, Ch. Zhang, D. Gross 158 (1995) 319
Reliability of an HTR-module primary circuit pressure boundary. Influences, sensitivity, and comparison with a PWR, M. Saat 158 (1995) 333
Life extension simulation of aged reactor pressure vessel material using probabilistic fracture mechanics analysis on a massively parallel computer, S. Yoshimura, M.-Y. Zhang, G. Yagawa 158 (1995) 341
Normative issues in thermal fatigue design of nuclear components, M. Merola 158 (1995) 351
Infrared thermographic scanning of fatigue in metals, M.P. Luong 158 (1995) 363
Predictions of non-steady asymptotic crack tip fields in power law creeping materials, D. Linkens, E.P. Busso and D.W. Dean 158 (1995) 377
Fracture mechanics in creep situation. Interpretation of results on a test specimen, H. Deschanels and A. Turbat 158 (1995) 387
The use of fracture mechanics methodologies for NDT results evaluation and comparison, S. Reale, L. Tognarelli and S. Crutzen 158 (1995) 397
A study of risk-based non-destructive in-service inspection, W.F. Wu and J.-J. Syau 158 (1995) 409
Stress identification in steam generator tubes from profile measurements, S. Andrieux, F. Voldoire 158 (1995) 417
Fracture mechanics analyses including constraint investigations on reactor pressure vessels under pressurized thermal shock loading, J. Sievers and X. Liu 158 (1995) 429

Core physics and fuel design

Positron affinity for precipitates in reactor pressure vessel steels, G. Brauer, M.J. Puska, M. Sob and T. Korhonen 158 (1995) 149

Thermal-hydraulics and safety

A phenomenological explanation of the relationship between steady state and transient CHF at subcooled or low quality conditions, J. Weisman 158 (1995) 157